



LIST OF APPARATUS

Required to Perform the Experiments in High School Physical Science, Part II.

The pieces marked with an asterisk should form part of individual sets for students' use.

I. Mechanics and Hydrostatics.

	Probable cost.
1 Guinea and Feather Tube, Fig. 3	\$5 00
1 Apparatus to Determine Acceleration Due to Gravity, Fig. 4.	
Optional	20 00
*3 Spring Balances, Figs. 13, 22	each 0 65
1 Limiting Friction Apparatus, Figs. 28, 30. Complete.....	5 00
1 Apparatus for Demonstrating Laws of Fluid Pressure. See List of Apparatus, Part I.	
1 Whole Pressure Apparatus, Figs. 43, 44.....	4 00
*1 U-Shaped Tube, Large, Fig. 46	0 50
1 Barometer, Graduated and Filled	10 00
1 Air Pump. See List of Apparatus, Part I.	
1 Lift Pump, Glass Model, Fig. 52	1 25
1 Force Pump, Glass Model, Fig. 53	1 25
1 Hydraulic Press, Glass Model, Fig. 54	2 00
*1 Siphon, Glass Tube, Fig. 55.....	0 10

II. Sound.

*1 Pendulum Bob, Fig. 58.....	0 10
1 Small Vise, Figs. 59, 63, 64	
*1 Removable Support for Laboratory Table, Figs. 60, 61	} See List of Apparatus, Part I.
*1 Coil Spring, Fig. 60	
*2 Supports, Fig. 64.....	
1 Brass Rod, Fig. 64.....	0 30
1 Violin Bow, Figs. 63, 67, 68, 70, 78.....	0 75
*1 Tuning Fork, A., Figs. 65, 66	0 25

	Probable cost.
2 Tuning Forks, C., Mounted on Resonance-boxes, Figs. 67, 68, 74, 78, 86, 97.	\$8 00
1 Clamp for Vibrating Plates, Fig. 70	1 00
2 Brass Plates, one Square, one Circular, Fig. 70	2 00
1 Whistle, Fig. 72	0 15
1 Glass Tube, Figs. 72, 91	0 20
1 Bell in Vacuo, Fig. 73	1 50
1 Small Chain, Fig. 75	0 15
1 Wave Machine, Fig. 76	5 00
1 Cardboard Disc to attach to Whirling Machine, Fig. 84	0 50
1 Whirling Machine, Figs. 84, 88, 89, 91	3 50
2 Concave Mirrors, Fig. 85	2 50
1 Interference Apparatus, Fig. 86	6 00
1 Toothed Wheel with Ring of Holes, Figs. 88, 89, 91	2 00
1 Siren, Fig. 90. Optional	10 00—30 00
1 Sonometer, Figs. 92, 94, 95, 96	5 00—15 00
*1 Hydrometer Jar, Fig. 97	0
* Glass Tubes of Various Sizes and Lengths for Showing Vibra- tions of Air Columns	1 50
1 Organ Pipe with Glass Front, Fig. 103	2 50
1 Tambourine to use with above, Fig. 103	0 50
1 Manometric Flame Apparatus, Fig. 110	10 00

III. Light.

1 Porte Lumiere	10 00—20 00
Or 1 Projection Lantern	25 00—100 00
*1 Cardboard Screen, Figs. 125, 126, 130	0 50
*1 Frame for Screens, Figs. 125, 126, 130	0 50
*1 Adjustable Stand, Fig. 126	1 50
Mirrors, Fig. 140	0 50
1 Optical Bench and Photometer, Complete with Concave and Convex Mirrors and Set of Demonstration Lenses, Figs. 132, 134, 144, 145, 146, 165, 167	7 50—20 00
1 Refraction Tank, Figs. 149, 153	3 50
1 Rotating Mirror, Mounted on Stand, Figs. 134, 136, 149, 153	4 00
2 Glass Prisms, Figs. 158, 172	2 00
1 Focusing Lens, Large, Mounted on Stand, Figs. 158, 165, 171	3 00
1 Carbon Bisulphide Prism, Figs. 171, 172	3 50
1 Newton's Disc for Projection, Fig. 173	5 00

IV. Electricity and Magnetism.

1 Natural Magnet, Figs. 176, 177	0 15
* Supports, Figs. 176, 177. See List of Apparatus, Part I.	
*2 Bar Magnet, Figs. 179, 180, 184-192, 195-198. See List of Apparatus, Part I.	
*1 Magnetic Needle, Figs. 180, 184, 187. See List of Apparatus, Part I.	

	Probable cost.
*1 Horseshoe Magnet, Fig. 193.....	\$0 25
1 Astatic Pair of Magnetic Needles, Fig. 181	0 50
1 Dipping Needle.....	1 00—5 00
* Strips of Zinc, Copper, Carbon, Iron, Lead and Platinum to be used in constructing the various forms of cells.	
*1 Porous Cup to be used with above.....	0 10
*1 Galvanoscope complete.....	0 75
1 Zinc-Carbon or Bunsen Battery, 4 Cells	5 00—10 00
Or 1 Storage Battery, 2 Cells, 50 ampere-hours	20 00
1 Water Voltameter, Fig. 220.....	2 00
1 U-Shaped Tube on Stand 221.....	1 00
1 Copper Voltameter, Fig. 229.....	2 00
1 Spool Double-Covered Magnet Wire, No. 20, to be used for making Electro-Magnets, etc.	
* Soft Iron Rods to be used with above.	
1 Floating Battery, Fig. 231	0 50
2 Coils for Showing Laws of Currents, Fig. 235, Complete.	
1 Set of Telegraph Instruments, Figs. 239, 240, 241	5 00
1 Electric Bell, Fig. 244	1 00
1 Astatic Galvanometer, Fig. 245	10 00
1 Tangent Galvanometer, Fig. 246.....	10 00
1 Apparatus for Showing the Laws of Current Induction and Illustrating the Action of the Dynamo and the Motor, Figs. 248-256, 259-262, Complete	25 00
1 Telephone Transmitter and Receiver, Fig. 270.....	8 00
1 Incandescent Lamp, Fig. 272	1 00
1 Arc Lamp, Simple Regulator, Fig. 274	5 00
1 Wheatstone Bridge, Fig. 276 or 277	25 00
Instead of the above a Metre Sliding Bridge may be used	5 00—15 00

